

17
ABSTRACT

A method for reducing the barriers between creative designs and complete drawings and databases by generating complex engineering drawings, such as lighting systems from lines and/or other simple shapes automatically, eliminates the tedious, time-consuming tasks of drawing, placing and annotating elements of structure, such as mounting trusses, fixtures, lighting patterns (often referred to as "gobos"), projectors and any other lighting, sound, video, plumbing, HVAC, street layouts or other graphical representations.